

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of

BOERJAN et al

Atty. Ref.: 4465-7

Serial No. Unassigned

TC/A.U.: Unassigned

Filed: April 15, 2005

Examiner: Unassigned

For: A ROLE IN LIGNIFICATION AND GROWTH FOR PLANT  
PHENYLCOUMARAN BENZYLIC ETHER REDUCTASE

\* \* \* \* \*

April 15, 2005

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

As suggested by 37 C.F.R. 1.97, the undersigned attorney brings to the attention of the Patent and Trademark Office the references listed on the attached form PTO-1449. A copy of the International Search Report and cited references are attached.

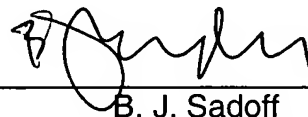
This is not to be construed as a representation that a search has been made or that no better prior art exists, or that a reference is relevant merely because cited.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy of the initialed document to the undersigned as an indication that the attached references have been considered and made of record.

Respectfully submitted,

**NIXON & VANDERHYE P.C.**

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INFORMATION DISCLOSURE  
CITATION

ATTY. DOCKET NO.

SERIAL NO.

4465-7

Unassigned 10/531479

APPLICANT

BOERJAN et al

(Use several sheets if necessary)

FILING DATE

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April 15, 2005

Unassigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
98/39454	09/1998	WO			
00/05350	02/2000	WO			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

	International Search Report of PCT/EP03/50731 mailed 26 February 2004
	K. VANDER MIJNSBRUGGE et al., "Phenylcoumaran benzylic ether reductase, a prominent poplar xylem protein, is strongly associated with phenylpropanoid biosynthesis in lignifying cells", Planta, vol. 211, no. 4, September 2000, Pgs. 502-509, XP002233666
	K. VANDER MIJNSBRUGGE et al., "Molecular biology approaches to study xylogenesis in poplar", PhD Thesis, University of Gent, 1998, pgs. 1-123, XP001149502
	W. HU et al., "Repression of Lignin Biosynthesis Promotes Cellulose Accumulation and Growth in Transgenic Trees", Nature Biotechnology, Nature Publishing, vol. 17, August 1999, Pgs. 808-812, XP000827629
	K. VANDER MIJNSBRUGGE et al., "Populus trichocarpa mRNA for phenylcoumaran benzylic ether reductase (pcbera gene)" Database EMBL 'Online!', 1 May 1998, Database accession no. AJ005803, XP002233671
	K. VANDER MIJNSBRUGGE et al., "Phenylcoumaran benzylic ether reductase", Database SWISSPROT 'Online!', 1 August 1998, Database accession no. 065881, XP002233671
	K. VANDER MIJNSBRUGGE et al., "Characterization of a phenylcoumaran benzylic ether reductase gene (Accession No. AJ132262) in Populus trichocarpa", Plant Gene Register PGR99-124. Plant Physiology 121:131, 'Online!' 1999, XP002233667
	D. GANG et al., "Evolution of Plant Defense Mechanisms", Journal of Biological Chemistry, American Society of Biological Chemists, Vol. 274, No. 11, 12 March 1999, Pgs. 7516-7517, XP002921937
	J. ORR et al., "Biosynthesis of Dehydrodiconiferyl Alcohol Glucosides Implications for the Control of Tobacco Cell Growth", Plant Physiology, Vol. 98, No. 1, 1992, Pgs. 343-352, XP002233668
	A. BINNS et al., "Cell Division Promoting Activity of Naturally Occurring Dehydrodiconiferyl Glucosides Do Cell Wall Components Control Cell Division?", Proceedings of the National Academy of Sciences of the United States, Vol. 84, No. 4, 1987, Pgs. 980-984, XP002233669

\*Examiner

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.